Cytometer Performance Report

Cytometer:	FACSCantoII	User:	BDService
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/26/2018 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 10:35 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124599	-1	1.42	124526	1.40
Blue	F	SSC	125000	123140	-2	2.97	123594	2.71
Blue	E	FITC	22798	21903	-4	2.50	973	10.68
Blue	D	PE	30844	30431	-2	1.96	1094	9.88
Blue	B	PerCP-Cy5-5	55416	53938	-3	3.41	1553	18.21
Blue	A	PE-Cy7	46745	45985	-2	5.21	711	38.02
Red	C	APC	55428	54551	-2	2.66	3128	9.55
Red	A	APC-Cy7	60992	60079	-2	2.60	1244	11.44
Violet	B	V450	16787	16017	-5	3.12	769	8.75
Violet	A	V500	65811	63597	-4	2.89	2813	6.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19906	3.49	609	-5	N/A	N/A	Pass
Blue	F	SSC	60944	1.68	558	1	N/A	N/A	Pass
Blue	E	FITC	110	41.29	545	-2	0.0194	245	Pass
Blue	D	PE	241	29.31	550	0	0.1584	253	Pass
Blue	B	PerCP-Cy5-5	242	47.99	650	-1	0.0085	72	Pass
Blue	A	PE-Cy7	75	131.79	700	0	0.0104	20	Pass
Red	C	APC	355	28.55	600	0	0.0198	69	Pass
Red	A	APC-Cy7	136	41.62	586	0	0.0052	1668	Pass
Violet	B	V450	92	43.00	480	-1	0.0447	1933	Pass
Violet	A	V500	204	24.15	507	0	0.0129	522	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.51	-31.31	0.93
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.59	14.40 - 21.60	N/A	N/A	31.39	31.59	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14793

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments